



## Product Information

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### CO2 Beam Expander

Improve the collimation of the beam,

Change the size and characteristics of the beam divergence.





CO2 beam expander



YAG Beam Expander



CO2 beam expander



CO2 beam expander



CO2 beam expander

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Part Category	Expansion	Input CA	Output CA	Housing Diameter	Housing Length	Mounting Thread
		mm	mm	mm	mm	
BEZ-9.3-C0.7:60-2.5X	2.5	11.4	17.8	25	60	M22*0.75
BEZ-9.3-C0.6:68-3X	3	11.4	15.2	25	68	M22*0.75
BEZ-9.3-C0.6:70.5-4X	4	11.4	15.2	25	70.5	M22*0.75
BEZ-9.3-C1.06:75.65-6X	6	11.4	27	36	75.7	M22*0.75
BEZ-10.6-C0.8:33.5-1.5X	1.5	11.4	20.3	27	33.5	M22*0.75
BEZ-10.6-C0.6:46.5-2X	2	11.4	15.2	25	46.5	M22*0.75
BEZ-10.6-C0.6:57.5-2.5X	2.5	11.4	15.2	25	57.5	M22*0.75
BEZ-10.6-C0.6:64.5-3X	3	11.4	15.2	25	64.5	M22*0.75
BEZ-10.6-C1.13:55-3.5X	3.5	11.4	26.2	36	55	M22*0.75
BEZ-10.6-C0.6:70.5-4X	4	11.4	15.2	25	70.5	M22*0.75
BEZ-10.6-C0.7:72-5X	5	11.4	17.8	25	72	M22*0.75
BEZ-10.6-C0.96:75.75-6X	6	11.4	24.4	32	75.8	M22*0.75
BEZ-10.6-C0.99:72-7X	7	11.4	25.1	32	72	M22*0.75
BEZ-10.6-C0.96:71-8X	8	11.4	24.4	32	71	M22*0.75
BEZ-10.6-C1.06:37-2X-A	2	13.5	26.9	37	37	M22*0.75
BEZ-10.6-C1.06:62.2-2.5X-A	2.5	13.5	26.9	37	62.2	M22*0.75
BEZ-10.6-C1.06:64.2-3X-A	3	13.5	26.9	37	64.2	M22*0.75
BEZ-10.6-C0.6:70.5-4X-A	4	11.4	15.2	25	70.5	M22*0.75

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Detail Image



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## Lens Cleaning

### 1. For light pollution (dust, fiber particles) were flexible cleaning.

Using a blowing balloon, Blow off scattered contaminants on the surface of the optical element.



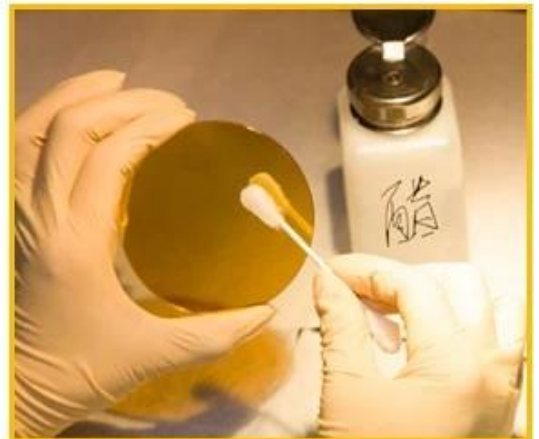
### 2. For light pollution (stains, fingerprints) were flexible cleaning.

Propanol, acetone glue with a cotton swab or alcohol to gently wipe the surface.



### 3. For moderately polluted (saliva, oil) in moderate-intensity cleaning.

Infiltrating distilled white vinegar with a cotton swab, wipe the surface a little pressure.



## Company Information



**CARMAN HAAS Laser Technology (Su-Zhou) CO., Ltd** --- devote to optical design, optic manufacturing, expert sales and services in laser optics and infrared optics, which located in China-Singapore Suzhou Industrial Park. Corporation has a team with over 15 years in laser optical design, optic manufacturing, sales and service. All along, we have established an exclusive and permanent strategic cooperative partner with a US head-quartered Corp, who has over 20 years' experiences in high-precision optical design, optic manufacturing and the state-of-the-art coating technology in laser optics industry. Furthermore, corporation has established a very closely cooperative relationship with Institute of Optics of Suzhou University, Shanghai Institute of Optics and Mechanism, Changchun Institute of Optics and Mechanism and so on.









重要仪器,  
非专业人士勿动。

OptiCentric 300

TRIOPTICS





PerkinElmer Lambda 950---Testing Transmission and Reflectivity







# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF MACHINERY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully. 2006/42/EC Machinery Directive and 2014/35/EU Low Voltage Directive have been taken as references for these processes

Company Name : **Camman HAAS Laser Technology (Suzhou) Co., Ltd.**

Company Address : No 155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu , P.R.China

Related Directives and Annex : **Low Voltage Directive 2014/35/EU  
Machinery Directive 2006/42/EC**

Related Standards : **EN ISO 12100:2010; EN 60204-1:2006+A1:2009+AC:2010**

Product Name : **Laser Marking Machine**

Report No and Date : SD-90049717:09.08.2018

Product Brand/Model/Type : LMCH-3W,LMCH-5W,LMCH-10W,LMCH-15W,LMCH-20W,LMCH-25W,  
LMCH-30W,LMCH-50W,LMCH-60W,LMCH-70W,LMCH-100W,  
LMCH-120W,LMCH-150W,LMCH-200W,LMCH-300W,LMCH-500W

Certificate Number : **M.2018.201.N6073**

Initial Assessment Date : 10.08.2018

Registration Date : 13.08.2018

Reissue Date/No :

Expiry Date : **12.08.2023**

*Signature*  
UDM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.



The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)  
Address: Mulkikent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE  
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 70  
E-mail: info@udemtd.com.tr www.udem.com.tr



## Certificate of Approval

Certificate No.: 10119Q12565ROM

Awarded to

**Carman Haas Laser Technology(SuZhou)  
Co., Ltd.**

Organization Code Certificate No. / Unified Social Credit Code:91320594M1MF4EP56  
Add.:No.155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu Province, P.R. China. 215000

Beijing ZhongLian TianRun Certification Center (ZLTR) certify that the  
Quality Management System of the above organization has been assessed and found to be  
in accordance with the requirements of the standard:  
**GB/T19001-2016 / ISO9001:2015**

### SCOPE OF CERTIFICATION/REGISTRATION

The Research and Development and Production of Optics Lenses (Except the limits of national laws and regulations.)

This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations. These requirements include, but are not limited to, administrative permits, scopes of qualifications, and CCC requirements.

Subject to operation conditions in requirements conformity with Quality Management System,

This Certificate is valid for a period of three years only,

**Date from: Mar 13th,2019 To: Mar 12th,2022**

The effectiveness of this Certificate shall be Validated by periodic surveillance audit of ZLTR for maintenance.

Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun Certification center (<http://www.zltr.com.cn>)



Beijing Zhongliantianrun Certification Center

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100102

Information of this certificate can be found on the official website of Certification and Accreditation Administration of the People's Republic of China (<http://www.cnca.gov.cn>)

ISO 9001

ISO 9001



## Trade Shows

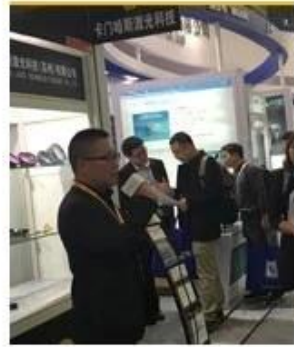
2014



2015



2016



## Packing List



- 3) 請提供詳細的規格書或樣品，以便我們進行評估。
- 4) 請提供您的公司名稱、地址、電話及電子郵件，以便我們與您聯繫。

FAQ:

- (1) 請提供詳細的規格書或樣品，以便我們進行評估。
- (2) 請提供您的公司名稱、地址、電話及電子郵件，以便我們與您聯繫。

 **FAQ**

**問題 1. 請問貴公司生產什麼產品？**

答 1: 我們生產各種類型的電子產品，包括手機、平板電腦、筆記本電腦、智慧電視、智慧喇叭、智慧手錶、智慧眼鏡、智慧汽車、智慧家居、智慧農業、智慧醫療、智慧工業、智慧交通、智慧能源、智慧金融、智慧教育、智慧零售、智慧物流、智慧製造、智慧服務、智慧生活、智慧健康、智慧娛樂、智慧運動、智慧旅遊、智慧交通、智慧能源、智慧金融、智慧教育、智慧零售、智慧物流、智慧製造、智慧服務、智慧生活、智慧健康、智慧娛樂、智慧運動、智慧旅遊。

**問題 2. 請問貴公司的產品品質如何？**

答 2: 我們的產品品質非常優良，我們採用最先進的生產設備和技術，確保每一個產品都符合國際標準。我們還提供完善的售後服務，確保客戶滿意。

**問題 3. 請問貴公司的產品價格如何？**

答 3: 我們的產品價格非常公道，我們提供多種規格和配置的產品，以滿足不同客戶的需求。我們還提供批發價格，歡迎各界人士垂詢。

**問題 4. 請問貴公司的產品有無專利？**

答 4: 我們的產品擁有自主研發的專利技術，具有獨特的優勢和競爭力。我們還提供專業的技術支持，確保客戶使用無誤。

**Q5.May 請問貴公司的產品有無認證？**

答 5: 當然！我們的產品均通過了國際認證，品質可靠，性能卓越。我們還提供專業的技術支持，確保客戶使用無誤。

**問題 6. 請問貴公司的產品有無環保？**

答 6: 當然，我們非常重視環保問題。我們採用環保材料和生產工藝，確保產品對環境無害。我們還提供專業的技術支持，確保客戶使用無誤。

**問題 7. 請問 OEM 和 ODM 是什麼意思？**

答 7: OEM (Original Equipment Manufacturer) 是指原始設備製造商，ODM (Original Design Manufacturer) 是指原始設計製造商。我們提供專業的技術支持，確保客戶使用無誤。

**Q8 請問貴公司的產品有無 MOQ 限制？**

答 8: 我們的產品有 MOQ 限制，具體數量請洽我們的銷售人員。我們還提供專業的技術支持，確保客戶使用無誤。